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NOTICE OF ALLOWANCE AND FEE(S) DUE

04743

7590

10/20/2005

MARSHALL, GERSTEIN & BORUN LLP 233 S. WACKER DRIVE, SUITE 6300 SEARS TOWER CHICAGO, IL 60606

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APTIMIT	DADED NUMBER

DATE MAILED: 10/20/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/743.934	12/23/2003	Jin Su Park	29936/39901	9005

TITLE OF INVENTION: DATA INPUT/OUTPUT BUFFER AND SEMICONDUCTOR MEMORY DEVICE USING THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	01/20/2006

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

PART B - FEE(S) TRANSMITTAL

Complete and send this form, together with applicable fee(s), to: Mail

Mail Stop ISSUE FEE Commissioner for Patents P.O. Box 1450 According, Virginia 22313-1450

or Fax (571) 273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as

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CURRENT CORRESPONDEN	CE ADDRESS (Note: Use Block 1 for	any change of address)		Note: A certificate of Fee(s) Transmittal. The papers Fach addition	f mailing can only be used for his certificate cannot be used al paper, such as an assignment	or domestic mailings of the
04743 7	590 10/20/2005			have its own certificat	te of mailing or transmission.	ant of format drawing, must
-	ERSTEIN & BORUN DRIVE, SUITE 6300	N LLP		Ce I hereby certify that t States Postal Service addressed to the Ma transmitted to the USI	ertificate of Mailing or Transhits Fee(s) Transmittal is bein with sufficient postage for fir il Stop ISSUE FEE address PTO (571) 273-2885, on the control of the control o	smission g deposited with the United st class mail in an envelope above, or being facsimile date indicated below.
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						(Signature)
						(Date)
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nonprovisional	NO	\$1400		\$300	\$1700	01/20/2006
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TRAN,	ANH Q	2819		326-083000		
CFR 1.363). Change of correspond Address form PTO/SB/1 "Fee Address" indicate PTO/SB/47; Rev 03-02 Number is required.	the address or indication of "Fe dence address (or Change of 0 22) attached. tion (or "Fee Address" Indica or more recent) attached. Use	Correspondence tion form of a Customer	(1) the names of or agents OR, all (2) the name of registered attorn 2 registered pate listed, no name v	a single firm (having as ey or agent) and the nan nt attorneys or agents. If vill be printed.	nt attomeys la member a 2	
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Please check the appropriate	e assignee category or categor	ries (will not be prir	nted on the patent)	: 🔲 Individual 🔲 C	orporation or other private gr	oup entity 🚨 Government
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Issue Fee				amount of the fee(s) is en		
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	(from status indicated above MALL ENTITY status. See 3)			LL ENTITY status. See 37 C	
The Director of the USPTO NOTE: The Issue Fee and P interest as shown by the reco	is requested to apply the Issu ublication Fee (if required) w ords of the United States Pate	e Fee and Publicati	on Fee (if any) or t		ly paid issue fee to the applications is tered attorney or agent; or the	
Authorized Signature				Date		
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This collection of informatic an application. Confidential submitting the completed ap this form and/or suggestions Box 1450, Alexandria, Virgi Alexandria. Virginia 22313	oplication form to the USPT(s) for reducing this burden, shinia 22313-1450. DO NOT S	11. The information 122 and 37 CFR 1. D. Time will vary dould be sent to the SEND FEES OR CO	is required to obta .14. This collection lepending upon the Chief Information OMPLETED FOR	in or retain a benefit by is estimated to take 12 individual case. Any conficer, U.S. Patent and MS TO THIS ADDRES:	the public which is to file (and minutes to complete, includir omments on the amount of ti Trademark Office, U.S. Deps S. SEND TO: Commissioner	i by the USPTO to process) ug gathering, preparing, and me you require to complete artment of Commerce, P.O. for Patents, P.O. Box 1450,

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SEARS TOWER	DRIVE, SUITE 6300		ART UNIT	PAPER NUMBER	
CHICAGO, IL 60	606		2819		
			DATE MAILED: 10/20/2005	•	

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 67 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 67 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571) 272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.